

No 411

मई बिल्मी, शनिवार, अक्तूबर 12, 1985 (आश्वन 20, 1907)

FURCHTUA YE CERSIES

No. 41]

NEW DELHI, SATURDAY, OCTOBER 12, 1985 (ASVINA 20, 1907)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है, जिससे कि यह असग संकल्त के रूप में रखा जा सके।
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

# भाग 111-वण्ड 2

# [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस (Notifications and Notices issued by the Patent Office relating to Patents and Designs)

# THE PATENT OFFICE PATENTS AND DESIGNS

Calcutta, the 12th October, 1985

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Telegraphic address "PATENTOFIS".

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#### CORRIGENDUM

In the Gazette of India, Part III, Section 2 dated the 21st September 1985 under the heading "PATENTS SEALED" delete from 153709 to 153778 under 153567.

APPLICATION FOR PATENT FILED AT THE HEAD OFFICE 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-17

The dated shown in crescent brackets are the dates claimed under Section 135, of the Act.

#### 5th September, 1985

- 635/Cal/85. E. I. Du Pont De Nemours and Company. Heat resistant sulfur-modified polychloroprene copolymers.
- 636/Cal/85. Beloit Corporation. Rigid link multiple disk refiner.

#### 6th September, 1985

637/Cal/85. Takeda Chemical Industries, Ltd. Process for producing cephalopsprin ester derivatives. [Divisional dated 29th May, 1984].

# 9th September, 1985

638/Cal/85. Dr. Niharendu Bikas Sinha. New Break through in synthesis of synthetic human the ligno protein complex which has the key role in maintenance of soil fertility.

# 10th September, 1985

- 639/Cal/85. Hoechst Aktiengesellschaft. Process for preparing water-soluble disazo compounds. [Divisional dated 2nd May, 1983].
- 640/Cal/85. Essex Group Inc. High density moisture resistant mica cylinders.
- 641/Cal/85. Moskovsky Nauchno-Issledovatelsky Institut Mikro-khirurgii Glaza. Device for ophthalmosurgery.
- 642/Cal/85. Vsesojuzny Nauchno-Issledovatelsky I Ispytatelny Institut Meditsinskoi Tekhniki. Surgical Instrument.

# 11th September, 1985

- 643/Cal/85. Anand Swaroop Mahajan. A new proposal for the in process measurement of widith of hot rolled wide strip of steel.
- 644/Cal/85. Sealed Power Corporation. Electrohydraulic control of a spool valve for energizing a heavy duty automatic transmission clutch.
- 645/Cal/85. Siemens Aktiengesellschaft. Heat-hardening reactive resin mixture for use in producing impregnating insulations for electrical devices and for use in producing moulded materials with or without inserts.
- 646/Cal/85. The Walter and Eliza Hall Institute of Medical Research. Antigens of plasmodium falciparum. (11th September, 1984) Australia.

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, 3RD FLOOR, KAROL BAGH, NEW DELHI-110005

# 1st August, 1985

- 623 /Del/85. Colgate Palmolive Company, "Detergent compositions". [Divisional date February 10, 1982].
- 624/Del/85. Volzhskoe Obiedinenie Po Proizvodstvu Legkovykh Avtomobilei (AVTOVAZ), "Method of reclaiming camshafts".
- 625/Del/85. Volzhskoe Obiedinenie Po Proizvodstvu Legkovykh Avtomobilei (AVTOVAZ), "Method for reconditioning of curvilinear components of the lever type".
- 626/Del/85. Sanden Corporation, "Scroll type fluid compressor with high strength sealing element".
- 627/Del/85. The B. F. Goodrich co., "Rigid radially expansible drum for building large pneumatic tires".
- 628 / Del /85. Sir Padampat Research Centre, "A process for the purification of foam dimethyl terephthalate (DMT)",

# 2nd August, 1985

- 629/Del/85. Warner Lambert Company, "A process for the treatment of a tissue specimen to provide an agent for use in the assay of a biological sample".
- 630/Del/85. Lipha, Lyonnaise Industrielle Pharmaceutique "Preparation of 5, 6-dihydro-4H-cyclopenta [5] thiophene-6-carboxvlic acids".
- 631/Del/85. Council of Scientific and Industrial Research, "A process for the preparation of a zinc rich primer dased on alkyl silicate for corrosion protection of steel".
- 632/Del/85. Council of Scientific and Industrial Research, "A process for the preparation of novel lanthanum iron silicates designated as encylyte-2".
- 633/Del/85. Council of Scientific and Industrial Research,

  "A process for the conversion of solasodine hydrochloride to 16-dehydropregenolone acetate (16-DPA)".
- 634/Del/85. Council of Scientific and Industrial Research, "Improvements in or relating to the preparation of 3-acyloxy and 3-aroyloxy-isoxazole derivatives".

# 5th August, 1985

- 635/Del/85. Virendra Singh, "Pink city flow meter".
- 636/Del/85. Council of Scientific and Industrial Research, "A process for the synthesis of novelpeptide derivatives having potent analgestic activity".
- 637/Del/85. Clouth Gummiwerke Aktiengesellschaft, "Matting made from an elastic material".
- 638/Del/85. Kollmorgen Technologies Corporation, "An electrodeposition composition and process for providing a Zn or Zn/Si/p coating on metal substrates".

# 6th August, 1985

- 639 /Del /85. Vishwas Raghunath Nene, "Aeroform".
- 640/Del/85. Societe Generale Pour Les Techniques Nouvel-S.G.N., "Anaerobic packed fermenter".
- 641/Del/85. Giuseppe Baggioli, "Vessel for cooking food and the like".
- 642/Del/85. Benoit Le Tapis Brosse & others, "Method for the preparation of non-woven products with a combed effect, using a receiprocal mechanical device".

#### 7th August, 1985

- 643/Del/85. The firestone tire and rubber co., "Separation of guayule rubber/resin extract from guayule bagasse by water addition post extraction".
- 644/Del/85. Krupp Polysius AG., "Device for shutting off a pipe".
- 645/Del/85. Allied Corporation, "Three way check valve".
- 646/Del/85. Allied Corporation, "Fan clutch".
- 647/Del/85. Rudoif Reinhardt, "Housing for receiving electric structural parts (Components)".
- 648 / Del /85. Michel Bensadoun, "Liquid resistance rheostat with circulating electrolyte".
- 649/Del/85. Arun Pratap Singh, "Bulb life expander cum power saver".

# 8th August, 1985

- 650/Del/85. Sanden Corporation, "Scroll type fluid compressor with axial clearance adjusting construction".
- 651/Del/85. Ceara Engineering Ltd., "Improvements relating to metal pressing and stamping". (Convention date August 10, 1984) (U.K.).
- 652/Del/85. Societe Generale Pour Les Techniques Nouvelles S.G.N., "Fermentation process and improvement to packed fermenters".
- 653/Del/85. Stein Industrie, "Ignition and combustion supporting burner for pulverized solid fossil fuel and combustion chamber comprising same".
- 654/Del/85. National Council for Cement and Building Materials, "A control condition chamber".

#### 9th August, 1985

- 655/Del/85. Uop Inc., Enhanced oil recovery".
- 656/Del/85. The standard oil Co., "A process for ammoxidizing propylene to produce acrylonitrile". [Divisional date February 3, 1982].
- 657/Del/85. Warner Lambert Co., "Non staling substantially moistureless chewing gum compositions and method of preparation".
- 658/Del/85. Imperial Chemical Industries PLC., "Filler and polymer composition containing filler". (Convention date August 22, 1984) (U.K.).

#### 12th August, 1985

659/Del/85. LRC Products Limited, "Moulding apparatus". (Convention date August 13, 1984) (U.K.)

# 13th August, 1985

660/Del/85. Pont-A-Mousson S.A., "Device for joining castiron pipes with male and socket ends".

# 14th August, 1985

- 661/Del/85. Awadhesh Kumar Sharma, "Automatic paddy transplanter machine".
- 662/Del/85. Kuldeep Singh Bhandari & Darwan Singh Bhandari, "Auto air motor engine without fuel".
- 663 /Del/85. Shell Internationale Research Maatschappij B.V., "Pesticidal benzoylurea compounds". (Convention date 17th August, 1984) (U.K.).
- 664/Del/85. The Garrett Corporation, "Attached mold process".
- 665/Del/85. De Belgische Staat-L'Etat Belge, "Process for obtaining ethylene from ethanol".
- 666 / Del /85. Singh & Associates, "An improved method of hot rolling of steel stock".

# 16th August, 1985

- 667/Del/85. Uop Inc., "Visbreaking process".
- 668/Del/85. Supreme India, "Improvement in or relating to washing machine".
- 669/Del/85. Gennady Yakovlevich Potemkin, "Apparatus to secure tool in holder".

# APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

#### 19th August, 1985

644/Mas/85. Vijiam Joshua. Celluar Container Module.

# 20th August, 1985

- 645/Mas/85. P. D. Joseph Fanflowgen.
- 646/Mas /85. P. D. Joseph. Wingflowgen.
- 647/Mas/85. Akebono Brake Industry Co. Ltd. Strut Type Auto-Adjustable Device of Clearance.
- 648 / Mas/85 Akebono Brake Industry Co. Ltd. Strut Type Clearance-Adjustable Device.
- 649/Mas/85. Akebone Brake Industry Co. Ltd. External Type Auto-Adjustable Device of Clearance.
- 650/Mas/85. Shell Internationale Research Maatschappij B.V. Process for the Preparation of Hydrocarbons.
- 651|Mas|85. Richter Gedeon Vegyeszeti Gyar RT. A Process for the Preparation of Azabicyclo (3.3.1)
  Nonanes.

#### 21st August, 1985

- 652/Mas/85. Raychem GMBH. Method and Means for Scaling. (August 22, 1984; U.K.).
- 653/Mas/85. British Aerospace Public Limited Company.
  Open Sea Transfer of Articles. (August 22, 1984; U.K.).

# 22nd August, 1985

- 654/Mas/85. AEPLC. Die for Tube Drawing. (August 23. 1984; U.K.).
- 655/Mas/85. Buss AG. Continuously Operating Extrusion Apparatus.
- 656/Mas/85. Krishna Fabrications Private Limiter. Height/ Inclination adjustment for seat Frames of Vehicles.
- 657/Mas/85. Plessey Overseas Limited. Echo Canceller. (September 12, 1984; U.K.).

#### 23rd August, 1985

- 658/Mas/85. Dr. Jose Thaikattil. A Protective Device for Electric Lamps.
- 659/Mas/85. Union Carbide Corporation. Improvements in Fluidized Bed Polymerization Reactors.
- 660/Mas/85. Owens-Illinois, INC. Tamper Resistant Closure with tear off Band.
- 663 /Mas/85. Acme Resin Corporation. Polyurethane Binder Compositions and Process for their Preparation.

# ALTERATION OF DATE

156678. Ante dated to 17th January, 1980. (608/Cal/83)

#### COMPLITE SPECIFICATION ACCEPTED

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CLASS 31 A

156661

Int C H01 b 3,42 H01 g 3/21

AN LUCTRICAL CAPACITOR

App teant GENERAL ELECTRIC CO APANY, OF I RIVEL ROAD SCHENECTADY 5, NEW YORK, UNITED STATES OF AMERICA

Inventor STAM LY WILLIAM CICHANOWSKI

Application No 138 Cal 82 filed February 4, 1982.

App opriate office for opposition procee ings (Rule 4, Patent Rules 1972) Patent Office Calcutta.

# 5 Claims.

An electrical capacitor comprising in combination, a casing, a capacitor roll section in said casing, said roll section comprising in combination a pair of spaced at art electrodes, a solid lactic to natural between said electrodes, means on said cising to contact sud electrodes to a source of power, and delectric fluid in said casing and adjac nt said electrodes and solid dielectric said dielectric fluid omprising polypropylene groot fluid having the general formula (1) of the accompanying drawings

wherein R is k,l group having from 1 to 7 carbon atoms or H, R is CH indior H R' is H and the value of X is such that the mole ular weight of the said glycol fluid is above 1000 or l inclerably t the range of 3000 to 4000 and wherein the one of said electrodes is a metallized layer of such a strain manum or zinc on a solid dielectric

Compl Specn 20 pages.

Drgs. 3 sheets.

CLASS 71 A 71-H, 71-G, 131-B<sub>3</sub> & C

156662

Int Cl E 21 c 41|00, E 21 f 15|00, 17|00.

A METHOD OF DISINTEGRATING COAL IN A COAL MINE TO OBTAIN (OAL OF VERY DEEP SEAMS.

Applicant BASF AKTIENGESELLSCHAFT, AT 6700 LUDWIGSHAFLN, FEDERAL REPUBLIC OF GERMANY.

Inventor KARI WISSEROTH

Application No 144/Cal/82 filed February 5, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 7 Claims

A method of disintegrating coal in a coal mine to obtain coal of very deep seams characterized by an aqueous solution, such as herein described having a density no lower than that of the coal, but lower than that of the pieces of rock which get detached, being caused to flow through the seams, via at least one borchole, and the mixture of mechanically detached coal produced and the liquid in the seams during this process being conveyed to the surface, wherein explosive means and means for its detonation such as nor nal impact fuses, are fed to the region of the seams through which liquid is flowing and pieces of coal detached from the seams during blasting are conveyed to the surface by the said liquid.

Compl Spec 17 pages

Drgs. 2 sheets

CLASS 64-B3

156663

Int Cl H 01 r 7 00

AN ELFCTRICAL COUPLING PIN AND AN ELECTRICAL COUPLING EMPLOYING SAID COUPLING PIN

Applicant SIMPLEX-GE (HOLDINGS) LIMITED, OF PO BOX 102 ASH HALL, STOKE-ON-TRENT, ENGLAND

Inventor HUGH CAIRNS IRELAND.

Application No 446, Cal/82 filed April 21, 1982

Convention dated 21st April 1981 (8112273) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

# 5 Claims

An electrical coupling pin for interconnecting two electrical able terminal sockets at least one of said sockets having a male contact member with a tapered end portior, said coupling pin including a holow generally tubular electrically conductive material electrically interconnected in use through said tubular member and mounted for relative movement therebetween along a longitudinal axis of the abular member and realiently brased away from each other, at least one of said contact members comprising at least two segmental members each having a rad ally outer contact surface for contacting a radially inner contact surface for contacting a radially inner contact surface in the form of a respective segment of a conical or frusto conical surface formed for substantially closely contacting, in use a said male contact member tapered end portion, said segmental members being formed and arranged so that in use of the coupling pin said male contact member tapered end portion engages said segmental member inner radial contact surfaces with a force fit clamping the segmental members ridially outer contact surfaces against the radial contact between said male contact member and said segmental contact members and between said segmental members and said segmental contact members and between said segmental members and said segmental contact members and between said segmental members.

Compl Specn 9 pages

Drgs. 3 sheets.

**CLASS: 127-I** 

156664

Int. Cl. F 16 c 11 06.

BALL TYPE UNIVERSAL JOINT AND METHOD OF MANUFACTURE.

Applicant: PREFORMED LINE PRODUCTS COM, PANY, OF 660 BETA DRIVE, MAYFIELD VILLAGE, OHIO 44143, UNITED STATES OF AMERICA.

Inventor: FRANK ALBERT, JR.

Application No. 500/Cal/82 filed May 4, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

# 29 Claims.

A ball type universal joint construction which prevents relative rotational movement between the components about the joint construction longitudinal axis while permitting relative articulating movement therebetween, the joint construction including:

- a ball member having an exterior surface portion which lies substantially on the surface of a first sphere, the ball member being adapted to be nonrotatably connected with some first associated structure;
- a housing having a generally axially extending cavity therein for rotatably receiving the ball member, the cavity having an interior surface portion which lies substantially on the surface of a second sphere, the housing further having an elongated generally transverse aperture at one end communicating with said cavity and through which the ball member is inserted during assembly of the joint construction, said housing adapted for connection with some second associated structure; characterized by:
- a first bearing receiving recess disposed in an substantially surrounded by one of the ball member and cavity spherical surface portions and a first bearing receiving slot disposed in the other of the ball member and cavity spherical surface portions; and
- a first bearing disposed partially in said first recess and partially in said first slot, whereby, the slot, recess, and bearing restrict relative rotational movement between the ball member and the housing while allowing articulating movement between defined limits.

Compl. Specn. 23 pages. Drgs. 2 cheets.

CLASS: 55-E<sub>4</sub>.

156665.

Int. Cl. A 61 k 27 06.

A PROCESS FOR THE PREPARATION OF AN EFFECTIVE MEDICINE FROM BORAX FOR JAUNDICE.

Applicant & Inventor: SITARAM KHATORE, P.O. BARBIL, DIST. KEONJHAR, ORISSA, INDIA.

Application No. 560|Cal|82 iiled May 18, 1982.

Con plete specification left on 5th August 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

# 6 Claims

A process for obtaining medicinal preparation for curing jaundice which comprises subjecting commercial borax to dehydration by direct heating at temperatures around 350°—430°C thereby removing all the water chem cally combined in borax and rendering it more easily friable cooling the dehydrated borax out of contact of moist air subjecting the dehydrated and cooled borax to a step of grinding to obtain crystals or fine powder as desired, said grincing being carried out in the absence of moist air, followed by blending the ground material in a conventional manner with conventional

additives and materials giving bulk or body in the ratio of dehydrated borax to additives as 80—120 parts by weight to 120—180 parts by weight, thereafter filling the material in capsules or converting the blend if desired into tablets or liquid or syrup with non acqueous liquid bases in a known manner to give required dosaged preparation.

Provisional specification 3 pages. Drgs nil.

Complete specification 9 pages. Digs. nil.

CLASS: 131-B<sub>3</sub>.

156666.

Int. Cl. E 21 c 3 00.

A TOOL FOR FORMING A HOLE IN MACROPOROUS COMPRESS BLE SOIL AND A METHOD OF FORMING A HOLE BY THE SAME TOOL.

Applicant: DNEPROPETROVSKY INZHENERNO-STRO-ITELNY INSTITUT, OF DNEPROPETROVSK, ULITSA CHERNYSHEVSKOGO, 24a USSR.

Inventors . 1. VALENTIN IVAN OVICH FEKLIN, 2. ANATOLY NIKOLAEVICH MORONENKO, 3. SERGEI VASILLIEV CH SHATOV, 4. NINEL SERGEEVNA SHVETS, 5. JURY ALEXANDROVICH KIRICHEK.

Application No. 578 Call 82 filed May 21, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 10 claims

A tool for forming a hole in macroporous compressible soil, comprising a body adapted to be connected to a boring rod and having a sizing part, a tool tip, coaxial body portion radially defined by soil compaction surfaces and of step-down radii from the sizing part to the tool tip such that a step between each pair of adjacent body portions is provided, the soil compaction surface of each body portion being a cylindirical urface generated by a generatrix of a predetermined length extending parallel to the tool axis and bounded by two parallel belices of one and the same helix angle, and transition portions each radially defined by a cylindrical surface conjugating the surfaces of axially adjacent body portions, the generatrix of the surface of the transit on portions being parall 1 to the tool axis and uniformly approaching this axis to thereby form a smooth transition from the surface of the body position of a greater radius to that of an adjacent body portion of a smaller radius.

Compl. Specn. 35 pages. Drgs 13 sheets.

CLASS: 103-B<sub>1</sub>.

Int. Cl. C 21 b 13 08.

156667.

APPARA US FOR SEPARATING A SPONGE IRON FRODUCT PRODUCED IN A ROTARY FURNACE.

Applicant: FRIED KRUP? GMBH, OF ALTENDORFER STRASSE 133 D-4300 FSSEN 1, WEST GERMANY.

Inventors 1. KLAUS HERBERT ULRICH, 2. WILHELM JANSEEN, 3. REINHAED HERBRIG.

Application No. 619|Cal|82 filed May 29, 1982.

Approprie e office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

# 12 Claims

Apparatus for the hot separation of sponage iron from the hot discharge material of a rotary furnace having a discharge end; comprising a discharge chamber connected to said discharge end of said rotary furnace for receiving hat discharge material from said rotary furnace; a vibratory screen being positioned at a lower end of said discharge chamber for receiving the discharge material from said discharge chamber; support means carrying said discharge chamber; support means carrying said discharge sealing means for sealing said vibratory screen; means to cool said support means from the ambient environmment; means for moving said support means with respect to said lower end

of said discharge chamber screen drive nears operatively connected to said vibratory screen and carried by said support means, and a discharge chute carried by said support means and disposed underneath said screen for lischarging the portion of the hot discharge material which passes through said screen

Compl Specn 15 pages Digs 2 sheets

CLASS 32 Fad

156668

Int Cl C 07 c 69|72

PROCESS FOR THE PRIPARATION OF ALKYLESIERS OF 4 HYDROXYACLEOACHTIC ACID

Applicant LONZA I ID OF G MPEI VALAIS SWITZI RLAND

Invertors 1 RAIMUND MILLER 2 I FANDER TENUD

Application No 723<sub>1</sub>Cal 82 filed Jun 21 1987

Appropriate office for opposition procedings (Rule 4 Patents Rules, 1972) Patent Office Calcutta

#### 4 Claims

Process for the preparation of alkyl ester, or 4 sydroxy ce toacetic acid wherein a 4 haloactoacetic a id alkyl ster is reacted with an alkali metal salt of henzy scohol if a temperature) of from 0 to 40°C in an organic solvent such as herein lescribed to give the corresponding en vloxy acute acetic acid alkyl ester which is then bydiox coyed cob in the 4-hydroxyacetoacetic acid alkyl ester

Compl Speen 7 pages Drgs ul

CLASS 128-J

156664

Int Cl A 51 b 17 12

AN IMPROVED ARTRIDGE FOR HOMOST FIC CLIPS

Appl cant ETHICON INC I OCATED IN SFMER-VILLE NEW IERSEY UNITED STATES OF AMEPICA

Invertor ROBERT WILLIAM MERICI I

Application No 839 Cil 82 filed July 21 1783

Appropriate office for opposition procedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

# 4 Claims

An improved cattidge for holding a pluridity of biocompatible non-metallic hemostatic clips each o sid clip having a pair of leg members connected it their proximit ends by a resilien hinge said clips having removing means in the oute surface, of said leg members by which the Jips may be removed from said catridge by a forceps type up ying riskit ment, and cartridge comprising

- (a) a base member said base memb being divided into a plurality of compartments each of a id-compartments including a recessed led e on which the hinge of the clip is idented to be placed with the legs extending into the compartment on apposite sides of said ledge.
- (b) a deflectable holding means cross no the clip removing means on both legs of six clip and
- (c) a cover member hispated on top of the base member having on opening and exposing the clip in separate compartments whereby the jaws of a for easily type applying institument in ivit instited though in opening in the lover member into a compartment to deflect the nothing inclins indicate the first into a compartment to deflect the nothing inclins indicate the first man of sud-clip and remove said clip from said cirtidate.

Compl Speen 14 pages Dr is 2 sheets

CLASS 133 A

156670.

inc Cl H 02 h 3 00, 5100, 7100

A FUSE FAILURE AND NO VOLT MONITORING AND PAULICION DEVICE FOR 15 PHASE, LECTRICAL APPARATUS

Applicant METALLURGICAL & LNGINELRING CONSULATANTS (INDIA) LIMULD OF RINCHE 834 002, BITTAR INDIA

INVENTORS 1 BHABANI PROSAD SAKKER, 2 DNY-ANESHER VIIHAL WAYKOLL 3 RULLA JHULASI-KAWI SAK TIIDARAN

Application No 915 Cal 82 filed August 2 178\_

Appropriate office for opposition proceedings (Rule 4, Patents Kules, 1972) Patent Office, Calcutta

#### 2 Claime

A fuse failt re and no volt monitoling and protection device (C) a 3 phase electrical apparatus to prevent its decige due to itse blow out none or more of the phases of no voltage in the power system comprising of three current sersors, each connected this ugh high rupturing capacity fuses, which protect the power system from short circuit across the motor fuses, a logic unit which energises of denergises depending upon which is a current is not present of present in any one of the three current sensors respectively a relay vhose normally open centacts are connected in series with the line contactor of the electrical motor of apparatus so as to remain closed as long as nealthy condition prevails and normally closed contacts for giving remote alternation a display driver which condition a display consisting of one of three numbers dispray elements to indicate the individual or collective faults in the fuses, a power supply adapted to generate the necessary supply voltage to various sub units and simula incousty to sense the voltage supply in order to detect invivil below a predictiment durin, the blo out of one or more of the fuses before strating the anotor

Compl. Speen 13 pages. Drgs. 1 sheet

CLASS 32 c2 c

156671.

Int Cl C 05 c 9|00, C 07 = 127 02

PROCESS FOR SYNTHESIZING UREA

Applicant TOYO LNOTS RING CORPORATION OF NO 2-5, KASUMIGASEKI 2-CHOML CHIYODA KU, TOKYO JAP'AN

Application No 1191/Cal/82 filed October 13 1982

Appropriate office for opposition ceedings (Rule 4, Paints Rules 1972) Patent Office, Calcutta

#### 6 Claims

A process of synthesizing area including relating ammonia and carbon 1 oxide at a urea synthesis pressure and temperature in a urea synthesis zone sepa atmediate oxide ammonia and interacted ammonium carbornate from the unit portuned urea synthesis melicas a gaseous mixture continuing promonia and carbon atoxide recirculating the caseous mixture to take the urea synthesis region and obtain a first the caseous mixtures are the area solution which has been obtained by a find the excess ammonia and upreacted amino in mental time. The process comprises the following conference of the process comprises the following conference of the process of o

(a) cur mg out the syn hesis of area in terminations of 170-195 C and pressure of 160-190 km cm-G and with a molar ratio of the total feed amount to the total feed carbon droude of 3.5-20 n the area on the size in the size one and separating an inertical containing oxygen and accompanied with amount and carbon droude at the same pressure as the area synthesis.

pressure from the urea synthesis melt containing the thus-synthesized area;

- (b) subjecting the urea synthesis melt from the step (a) to a stripping operation including a rectification operation at the same pressure as the urea synthesis pressure and tempeartures of 170-205°C using carbon dioxide which amounts to at least 60% of the makeup carbon dioxide supplied as a raw material for the synthesis of urea and contains 0.5-5.0% by volume of air as a corrosion inhibitor, thereby decomposing and separating the unreacted ammonium carbamate together with gasified excess ammonia as a gaseous mixture of ammonia and carbon dioxide;
- (c) subjecting the urea synthesis effluent from the step (b) to a medium-pressure decomposition operation at pressures in the range of 12-25 kg/cm<sup>2</sup>G so as to separate remaining ammonia and carbon dioxide from the urea synthesis effluent and obtain a urea solution containing still remaining ammonia and carbon dioxide in a total content of 5-12% by weight;
- (d) reducing the pressure of the urea solution from the step (c) to a pressurt of 1—5 kg|cm<sup>2</sup>G, thereby further separating at least parts of remaining ammonia and carbon dioxide from the urea solution and obtaining a mixed stream of another urea solution and a gas containing ammonia and carbon dioxide;
- (e) heating the mixed stream obtained in the step (d) under the same pressure, subjecting the thus-heated mixed stream to an adiabatic stripping operation using carbon dioxide which amounts to 1--10% of the carbon dioxide supplied as the raw material for the synthesis of area so as to separate the majority of unreacted ammonia and carbon dioxide still remaining in the area solution as a gas containing ammonia and carbon dioxide and obtain an agreeous area solution substantially free of ammonia and carbon dioxide, and subjecting the aqueous area solution to subsequent concentration and finishing steps; and on the other hand,
- (f) absorbing the ammonia and carbon dioxide separated in the step (e) in water, a dilute aqueous solution of ammonium carbonate or another accueous urea solution, and absorbing in the thus-obtained aqueous solution as an absorbing medium the ammonia and carbon dioxide separated from the urea synthesis effluent in the step (c) at the same pressure as the medium pressure decomposition step in the step (c);
- (g) bringing the absorbate obtained in the step (f) and containing ammonia and carbon dioxide into contact with the gaseous mixture of ammonia and carbon dioxide separated in the step (b) at the same pressures as the urea synthesis pressure, condensing at least parts of ammonia and carbon dioxide in the gaseous mixture to such extends that the temperature in the urea synthesis zone is maintained within the predetermined temperature range, and removing the resulting heat of condensation; and then
- (h) recirculating the condensate and uncondensed gaseous mixture containing unreacted ammonia and carbon dioxide, both obtained in the step (g), to the urea synthesis zone in the step (a).

Compl. Specn. 35 pages. Digs. 2 sheets

CLASS: 62-D.

156672.

Int. C1 D 06 m 15|02

FOAM GENERATING APPARATUS

Applicant: WEST POINT-PEPPERELL, INC. 400 WEST 10TH STREET. WEST POINT STATE OF GEORGIA, 31833, UNITED STATES OF AMERICA.

Inventor: 1 JOSEPH ALBERT PACIFICI.

Application No 1203 Cal'82 filed October 14, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta,

5 claims

A foam generating apparatus comprising:

a premise for producing a blend of air and liquid such as herein described said premiser being constituted by a first collaboration casing having a plurality of convoluted elements arranged there'n end to-end and extending longitudinally of the easing:

a static foamer, said foamer being constituted by a second cylindrical casing within which is disposed a further plurality of convoluted elements arranged end-to-end and extending longitudinally of the casing and a porous bed, formed of spherical oeads fully occupying the space between said elements and the casing; and

means for joining the premixer to one end of said second casing for supplying said blend to the foamer for passage through the porous bed to develop a homogeneous dispersion of the air and liquid which is discharged from the opposite end of the second casing.

Compl. Specn 10 pages. Drgs. nil.

CLASS - 27 1 & M.

156673.

Int. Cl. F 21 d 23 08, 23 18.

SELF-ADVANCING ROOF SUPPORTS.

Applicant · DOBSON PARK INDUSTRIES PLC., OF DOBSON PARK HOUSE, COLWICK INDUSTRIAL ESTATE, COLWICK, NOTTINGHAM, NG4 2BX, ENGLAND.

Inventors: 1. KENNETH DAVID PRESCOT, 2. CHARLES JOHN HOLLAND.

Application No. 1311 Cal 82 filed November 9, 1982.

Convention dated 16th January, 1982 (820:227) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 9 claims

A self advancing mine roof support having a floor engaging structure and a roof engaging structure urged apart by extensible load bearing props and having an advancing ram or jack within the support connected to the floor engaging structure and to a relay bar for coupling to an anchorage forward of the support, characterized in that secondary jack is provided between the floor engaging structure and the relay bar for lifting the floor engaging structure relative to the relay bar and therelay bar rearward end is pivotally connected approximately to the mid-point of the cylinder of the advancing ram or jack

Compl. Specn 10 pages. Drgs 4 sheets.

CI ASS : 172-C<sub>1</sub>.

156674.

Int Cl. D 01 g 15|88.

AN IMPROVED CARD CLOTHING FOR THE FLATS OF A CARDING MACHINE.

Applicant: GRAF & GIE. AG. OF ALTE JONASTRAS-SE 8640 RAPPERSWIL, SWITZERLAND.

Inventors: 1. WERNFR BISQUOLM, 2. JORG BURKI, 3 OTHMAR FEUSCHER.

Application No. 1361 Cal 82 filed November 23, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

# 3 claims

An improved card clothing for the fluts of a carding machine, which card clothing comprises a plurality of mutually abutting wine sections arranged side by side and having a row of teeth and a foot section each, characterized in that said improved cardiching comprises an elongated carrier member on which said wire sections are lined up side by side in a mutually post and cardino, said carrier member is provided with

locking members which iteminally hold raid wire sections permanently at a prestressed condition locked on said carrier member, each of said wire sections comprises a web section which we als between said topy of teeth and said foot section and further comprises a distance piece section projecting from said web at a location, and medians wid to you of teeth and said foot section, further who can said carrier member is an elongated profile and had to premine as provided in the web of every said wire section, and wherein said carrier member is provided at least at one end with a through opening intended for receiving a locking element of said locking member or said web sections, wherein said through opening is an elongated opening which extends parallel to the five surface, and wherein said locking element is a blocklike structure all onto said carrier member and provided with a through opening.

Compl. Spech. 13 pages. Drgs. 7 sheets.

CLASS · 64-B<sub>3</sub>

156675

Int. Cl. H 01 r 23100.

MODULAR PLUG CONNECTOR.

Applicant: KRONE GMBH, OF GOERZALIE 311, 1000 BERLIN 37, FEDERAL REPUBLIC OF GERMANY.

Inventors . 1. HORST FORBERG, 2. GUNTFR HEGNER, 3 PFTFR ACHTNIG, 4. BFRND DELAKOWITZ.

Application No. 1362|Cal|82 filed November 23, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 12 Claims

A plug connector comprising 20 cable conductors, for communication apparatus, especially for use in trunk distribution systems, characterized in that the plug connector is of modular design and, if required, is composed of a top partial connector (1) for the termination of outgoing conductors, acentral partial connector (2) for the termination of incoming cable conductors, a bottom partial connector (3) for the termination of signal and ground lines, and of mutually interchangeable plugging slide-in units (4, 5, 6, 7, 8) for two respective cable conductors with functions adapted to the respective circuit connection task.

Compl. Specn. 9 pages.

Drgs. 3 sheets.

CLASS: 146-D<sub>1</sub>

156676

Int. Cl.: G 01 m 11|00.

OFTICAL SCANNING SYSTEMS.

Applicant: BARR & STROUD LIMITED, OF CAXTON STRFET, ANNIESLAND, GLASGOW G13 1 HZ, SCOTLAND.

Inventor: 1. HERBERT MORRISON RUNCIMAN.

Application No. 1373 Cal 82 filed November 25, 1982.

Convention dated 25th November, 1981 (8135500) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

# 5 Claims

An optical scanning system comprising a rotor assembly having first and second reflective zones each composed of a plurality (N) of circumferentially-contiguous facets, respective facets of the first zone being angularly co-extensive with respective facets of the second zone and sequentially passing through respective first and second reflection stations upon rotation of the rotor resembly about its axis of rotation.

static focussing means arranged to direct radiation in a beam between an array of radiation detectors or emitters and the first-reflection station with the array and the first reflection station located at conjugate foci of the focusing means, and static optical means arranged to direct radiation in a beam between the first and second reflection stations, wherein

- (a) the facets of the first reflective zone are each  $\mathfrak{p}^l$ amar having a normal disposed at an angle  $\Psi$  to the rotation axis of the rotor assembly.
- (b) the incident and reflected radiation beams at the first reflection station each have a half cone angle a and the principal ray of the incident and reflected beams each subtend an angle  $\beta|2$  to the normal of each facet in the first reflection station when each said normal is coplanar with said principal rays; and
- (c) the angles  $\alpha$ ,  $\beta$  and  $\Psi$  conform to the relationship:

Sin 
$$\Psi$$
. Cos  $\beta/2 = \frac{\alpha.N}{360}$  ( $\alpha$  in degrees).

Compl. Specn. 15 pages.

Drgs. 2 sheets.

CLASS: 155-C.

156677

Int. Cl.: D 04 h 13|00.

NON-WOVEN MATERIAL FOR MEDICAL COMPRESSES.

Applicant: BEGHIN-SAY, OF 59239 THUMERIES, FRANCE.

Inventors: 1. MARCEL HOLVOET, 2. BERNARD PICARD.

Application No. 8|Cal|83 filed January 1, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

#### 16 Claims

Non-woven material in particular for use as a medical or surgical compress, having a machine direction and direction perpendicular to the machine direction, characterised in that it presents a succession of waves uniformly distributed parallel to the machine direction of the material and the adjacent troughs of which waves are alternatively arranged above and below the median plane of the non-woven material.

Compl. Specn. 13 pages.

Drgs. 2 sheets.

CLASS: 32-C & 55-F1

156678

Int. Cl.: A 61 k 23|00; C 12 d 13|00;

C 08 h 7|00; C 12 k 7|00.

PROCESS FOR PRODUCING HUMAN-SPECIFIC TYPE II INTERFERON.

Applicants: KEN HAYASHIBARA, OF 9-8. 4-CHOME, HIGASHIFURUMATSU, OKAYAMASHI, OKAYAMA, JAPAN AND SHIN ASHIDA, OF 148-3, UCHIDEKASU-GACHO, ASHIYA-SHI, HYOGO, JAPAN.

Inventors · 1. KANAME SUGIMOTO, 2. SHOKICHI YUEN.

Application No. 608|Cal|83 filed May 13, 1983.

Divided out of No. 63|Cal|80 dated 17th January, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

# 10 Claims

A process for producing human-specific Type II interferon, which comprises:

suspending a human cell line capable of producing humanspecific Type II interferon in a conventional-type diffusion chamber having a filter means in which the nutrient body fluid of a non-human warm-blooded animal is supplied to the human cell line: embedding or placing the diffusion chamber in or on to non-human warm-blooded animal in a manner such that the nutrient body fluid of the animal is supplied to the human cell line within the diffusion chamber;

\_\_\_\_\_

feeding the animal to allow the human cell line to utilize the nutrient body fluid for its multiplication;

collecting the multiplied human cells from the diffusion chamber:

exposing the multiplied human cells to an Type II interferon inducer in vivo or in vitro to induce the production of human-specific Type II interferon; and

collecting and purifying in a conventional menner the resultant human-specific Type II interferon.

Compl. Specn. 13 pages.

Drgs. Nil.

CLASS ; 55-E3.

156679

Int. Cl.: A 61 k 7 06.

A PROCESS FOR PREPARING A HAIR RESTORES.

Applicant & Inventor: HANS THOMM, OF WIESENWEG 6, D-5439 HOHN, WEST GERMANY.

Application No. 890 Cal 83 filed July 16, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

# 6 Claims

A process for preparing a hair restorer which comprises admixing following ingredients by weight:

2 to 15% of goat's butter;

2 to 10% testes material;

0.5 to 5% placenta material;

0 to 30% birch-tree stap;

0 to 40% ethanol; and

0 to 10% essential oils.

Compl. Specn. 9 pages.

Drgs. Nil.

CLASS: 128-G.

156680

Int. Cl.: A 61 b 5|00, 10|00.

IMMUNOASSAY APPARATUS TO DETERMINE THE PRESENCE OF AN ANALYTE IN A SAMPLE INVOLVING SIMULTANEOUS CALIBRATION.

Applicant: SYVA COMPANY, AT 900 ARASTRADERO ROAD, PALO ALTO, CALIFORNIA, 94304, UNITED STATES OF AMERICA.

Inventors: 1. DAVID JAY LITMAN, 2. EDWIN FISHER UILLMAN.

Application No. 747|Cal|83 filed June 14, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

# 2 Claims

An internally calibrated diagnostic apparatus for determining the presence of an analyte in a sample, which analyte is a member of a specific binding pair (such as herein before defined), said apparatus comprising:

- (a) a measurement first surface,
- (b) a calibration second surface, whichin said surfaces are both of a porous material and are of the type as defined hereinbefore,
- (c) a support whereon both said surfaces are mounted so that said second surface is in close proximity to said first surface,

- (d) a labelled specific binding pair non-diffusively bound to said measurement first surface, in relation to the amount of analyte in said sample, and
- (e) at least one of an enzymen or specific binding pair non-diffusively bound to said calibration surface.

Compl. Specn. 48 pages.

Drgs. Nil.

CLASS: 7

156681

Int. Cl.: G 08 b 13 00.

A BURGLER PROOF FLFCTRIC LOCK CUM ALARM DEVICE.

Applicant & Inventor: PRADIP KUMAR SADHU, OF 16 SURFSH MITRA ROAD, P.O. NAIHATI, DISTRICT 24 PARGANAS, WEST BENGAL, INDIA.

Application No. 498 Cal 82 filed May 4, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 11 Claims

A burgler-proof electrical lock cum alarm device comprising at least one electromagnetic latch; and electric circuit having first and second portions, said first portion connecting the electromagnetic latch to a source of electric current; a coding device comprising a plurality of multi-point selector switches and being set to a desired code by selectively connecting the points of the switches to said first and second portions of the circuit such that said first portion being energized when the coding device is set to a desired code to thereby operate the electromagnetic latch and said second portion being energised when the coding device is decodified; and alarm means connected to the second of the circuit and adapted to be enregized by said second portion upon decodification of the coding device.

Compl. specn. 13 pages.

Drg. 3 sheets.

CLASS: 105-C

156682

Int. Cl. G 01 1 3 10.

APPARATUS FOR MEASURING TORQUE.

Applicant: KOPPERS COMPANY, INC. KOPPERS BUILDING, PITTSBURGH, PENNSYLVANIA 15219 U.S.A.

Inventor: 1. JOHN SIMPSON LEAGUE, IV.

Application No 903 Cal 82 filed August 2, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 3 Claims

Apparatus for measuring the torque of a rotating shaft comprising:

- (a) a plurality of slotted patterns formed on said shaft,
- (b) a plurality of pick-ups mounted in a horizontal plane and in close proximity to and on opposite sides of said slotted pattern relative to the centerline of said shaft.
- (c) said pick-ups adapted to sense a signal resulting from rotation of the slotted patterns on said shaft,
- (d) Circuit means for analysing said signals sensed by said pick-up and translating said signals into a signal representing the torque applied to said shaft, and
- (e) means for displaying said torque signal as a direct measure of torque.

Compl. specn. 11 pages.

Drg. 5 sheets.

CLASS: 9-A

156683

Int. Cl.: C 22 b 9|00, 21|00, 45|00.

A DEVICE FOR THE TREATMENT OF A STREAM OF ALUMINIUM OR MAGNESIUM-BASED LIQUID METAL OR ALLOY DURING ITS PASSAGE.

Applicant: SOCIETE DE VENTE DE L'ALUMINIUM PFCHINEY, OF 23 BIS, RUE BALZAC 75008, PARIS, FRANCE.

Inventors: 1. JEAN-MARIE HICTER, 2. THIERRY LE SCOUL, 3. SERGE MAIRET.

Application No. 980 Call 82 filed August 24, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 12 Claims

A device for the treatment (as hereinbefore defined) of a stream of aluminium or magnesium-based liquid metal or alloy during its passage, comprising a ladle (3) formed by an external metal casing (19) an internal refractory lining (17) a channel (22) for the admission of the crude liquid metal at the rear a novele (10) for casting the treated liquid metal at the rear, a nozzle (10) for casting the treated liquid metal at the front and at least one inter partition (18) leaving, with the bottom of the ladle, a space for the circulation of the liquid metal and defining a first rear compartment (20) and at least one front compartment (21) opening at the casting nozzle (10) characterised in that the ladle (3) is fixed on a supporting cradle (4) connected to an articulated frame (7) relative to which the said cradle can rock forwards about a first horizontal axis (9) passing through the casting nozzle (10) the articulated frame (7) itself being connected to afixed frame (1) relative to which it can rock about a second horizontal axis (13).

Compl. Specn. 19 pages.

Drgs. 5 sheets.

CLASS: 150-C & G. Int. Cl.: F 16 1 17/02. 156684

QUICK CONNECT-DISCONNECT COUPLING AND METHOD OF MAKING SAME.

Applicant: DAYCO CORPORATION, 333 W. FIRST STREET, DAYTON, OHIO 45402, U.S.A.

Inventors: 1. VERNON PAUL, JR. 2. JAMES D. FOX.

Application No. 132 Cal 83 filed February 4, 1983.

Appropriate office for opposition proceed Patents Rules, 1972) Patent Office, Calcutta. proceedings (Rule 4,

# 11 Claims

A quick connect-disconnect coupling for a conduit, comprising first and second coupling members, and retaining means for interlocking said members; said first coupling member having a generally cylindrical configuration comprising a main body portion, a reduced diameter body portion and a first wall extending radially of and intersecting said portions, said main body portion having a peripheral groove therein; said second coupling member being positioned over said from the coupling member, and having a principal cylindrical bore generally contiguous with said reduced diameter body portion, an enlarged diameter bore generally contiguous with said main body portion, and a second wall contiguous with said first wall and extending radially of and intersecting said bores, the wall and extending radially of and intersecting said boles, intersection of said second wall and said principal bore forming a shoulder, said enlarged diameter bore having a peripheral groove in said first coupling member; said retaining means comprising a U-shaped member having legs, said legs being inserted into the peripheral grooves of said first and second counting members to interlock said members; characterized in that said reduced diameter body nortion (16) of said first coupling member (12) has a plurality of spaced peripheral grooves (24, 25) therein, and has sealing members (41, 42, 43) positioned within said grooves (24, 25) and contacting said second coupling member (13) to create a fluid-tight seal.

Compl. Specn. 11 pages.

Drgs. 1 sheet.

CLASS: 80-J.

156685

Int. Cl.: B 01 d 28 04, 35 28.

IMPROVEMENTS IN OR RELATING TO TUBE WELL STRAINERS OR FILTERS.

Applicants & Inventors: (1) DIPAK KUMAR ROY, OF 2|24 VIDYASAGAR COLONY, CALCUTTA-47, WEST BENGAL, INDIA. (2) SUNIL CHANDAR MONDOL, OF 2|199 BIJOYGAR COLONY, CALCUTTA-32, WEST BEN-GAL, INDIA.

Application No. 596 Call 83 filed Merch 11, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 12 Claims

A tubewell strainer or filter comprising a hollow cylindrical pipe fabricated out of sheet metal formed with a plurality of slots or apertures spaced in rows extending lengthwise and widthwise of the sheet, a socket secured to the upper end or the pipe, a second socket secured to the lower end of the pipe and a plurality of annular discs or rings of a rigid high density synthetic plastics material closely surrounding the pipe and held in a compact pack between the opposed ends of the said sockets, each of the said rings having at least on one of its two faces a plurality of spaced ridges or linear projections extending from its outer periphery to the inner periphery.

Compl. Specn. 9 pages.

Dres. 1 sheet.

CLASS: 108-B2 & & 108-C3.

156686

Int. Cl. C 21 c 1/02.

PROCESS FOR REDUCING THE IRON CONTENT OF CAO-RICH SLAGS FORMED DURING THE DESULPHURISATION OF CRUDE IRON.

Applicants: (1) THYSSEN AKTIENGESELLSCHAFT, OF 4100 DUISBURG, WEST GERMANY AND (2) SKW TROSTBERG AG, OF 8223 TROSBERG, WEST GERMANY.

Inventors: 1. RUDOLF HAMMER, 2. WALTER MEI-CHSNER, 3. HEINRICH RELLERMEYER.

Application No. 761|Cal|82 filed June 29, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

# 2 Claims

In a process for desulphurisation of crude iron melt, obtained from a blast furnace, in a ladle in which crude iron melt is subjected to desulphrisation under the influence of known soda-free desulphrising agent|s whereby CaO-rich slag having high iron content is formed, the step of reducing the iron content of said CaO-rich slag being characterised by the addition to the said melt, prior to desulphrisation, of finely ground fluorspar in amounts ranging from 0.05 to 1.5 Kg per ton of melt such that the iron content of the slag is substantially reduced to thereby correspondingly increase the amount of iron in the melt and that the slag is not rendered fluid. ed from a blast furnace, in a ladle in which crude iron melt

Compl. Specn. 10 pages.

Drgs. Nil.

CLASS: 32-A<sub>1</sub>.

156687

Int. Cl.: C 09 b 29|00; D 06 p 1|00, 3|00.

PROCESS FOR THE MANUFACTURE OF MONOAZO

Applicant: HOECHST AKTIENGESELLSCHAFT OF D-6230 FRANFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventors: 1. KARL SOMMER, 2. RUDOLF SCHICK-FLUB.

Application No. 951 Cal 82 filed August 16, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 3 Claims

A process for the manufacture of monoazo dyestuffs of the formula (1) of the accompanying drawings, wherein X is hydrogen, chlorine or bromine, which comprises diazotizing according to known methods the diazo components of formula (2)

Formula 2

wherein X is hydrogen, chlorine or bromine, and coupling the resultant diazonium compounds with the coupling component 2-isobutylamino -4-acetamino-1-β-methoxyethoxy-benzene of formua (3).

Formula 3

Compl. Specn. 6 pages.

Drgs. 1 sheet.

CLASS: 136-C.

156688

Int. Cl.: B 29 d 7|00.

PROCESS FOR THE PRODUCTION OF AN ENDLESS THERMOPLASTIC COLOUR WEDGE SHEET HAVING A COLOURED EDGE STRIP AND SLOT DIE APPARATUS FOR CARRYING OUT THE PROCESS.

Applicant: DYNAMIT NOBEL AKTIENGESELLSCHAFT OF POSTFACH 1209, 5210 TROISDORF, WEST GFR-MANY.

Inventors: 1. HANS BRINKMANN, 2. HORST PABST.

Application No. 959|Cal|82 filed August 17, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 7 Claims

A process for the production of an endless thermoplastic colour wedge sheet having a colour edge strip with differing colour intensity, which comprises extruding a main stream of a molten undyed thermoplastic synthetic resin through a die slot with a distributing flow channel, a deckle bar, and an outlet nozzle; injecting a melt stream of dyed synthetic resin

into said main stream to form said colour edge strip, characterized in that the dyed melt stream for the colour edge strip is injected in the extrusion direction upstream of the deckle bar; and the undyed main stream of molten thermoplastic synthetic resin is throttled by constricting the flow channel to such an extent that a portion of the undyed main stream is replaced by the dyed melt stream without an increase in flow velocity of the molten thermoplastic synthetic resin.

Compl. Specn. 14 pages.

Drgs 6 sheets.

CLASS: 181.

156689

Int. Cl.: F 16 c 33|72.

MECHANICAL SEAL CONSTRUCTION.

Applicant: DURAMETALLIC CORPORATION, 210 FACTORY STREET, KALAMAZOO, MICHIGAN, U.S.A.

Inventor: 1. WILLIAM VICTOR ADAMS.

Application No. 1141 Cal 82 filed October 1, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 8 Claims

A mechanical seal construction for sealing a shaft which projects from and is relatively rotatable with respect to a surrounding housing, characterized by:

an elongated shaft sleeve nonrotatably and sealingly connectible to the shaft in surrounding relationship thereto;

an annular seal stator disposed in surrounding relationship to the shaft sleeve and being spaced therefrom by a narrow annular chamber therebetween, the seal stator being nonrotatable with respect to the housing;

the seal stator defining thereon first and second nonrotatable annular seal faces which face outwardly in opposite axial directions;

a first seal rotor disposed axially adjacent one side of the stator in surrounding relationship to the shaft sleeve the first seal rotor being nonrotatably fixed to the shaft sleeve and spaced therefrom to define a first annular region therebetween which is in open communication with the annular chamber, and first deformable seal ring means coacting between the shaft sleeve and the first means coacting between the shaft sleeve and the first seal rotor for sealingly closing the end of the first annular region;

the first seal rotor having a first rotatable annular seal face formed on one end thereof and maintained in abutting sliding contact with the first nonrotatable seal face;

a second seal rotor disposed axially adjacent the other side of the stator in surrounding relationship to the shaft sleeve, the second seal rotor being nonrotatably fixed to the shaft sleeve and spiced therefrom to define a second annular region therebetween which is in open communication with he annular chamber, and second deformable seal ring means coacting between the shaft sleeve and the second seal rotor for sealingly closing the end of the second annular region;

the second seal rotor having a second rotatable annular seal face formed on one end thereof and maintained n abutting sliding contact with the second nonrotatable seal face; and

pump means integrally associated with the stator and the shaft sleeve for effecting recirculation of fluid through the annular chamber, the pump means including inlet and outlet passages extending radially through the stator, the inner ends of the passages where they communicate with the annular chamber being directed substantially tangentially with respect to the shaft sleeve, the pump means talso including an annular pumping roter defined by a portion of the shaft sleeve, the pumping roter being disposed radially directly adjacent the inner ends of the passages and having an irregular annular stufface for effecting pumping of the fluid within the annular chamber.

Compl. Specn. 16 pages.

Drgs 2 sheets.

CLASS: 102-C.

156690

Int. Cl.: G 01 p 5|00.

MEASURED-VALUE SENSOR FOR MAGNETIC-INDUCTIVE FLOWMETERS AND AN IMPROVE METHOD OF MAKING IT.

App icant: RHEOMI IRON AG., OF SCHUTZENMATTSTRASSE 43, CH-4003 BASSEL, SWITZERLAND.

Inventors: 1. BITTNI'R FRANZ. 2. RADEMACHER-DUBBICK KRISTIAN, 3. STEVENS UEO, 4. BEISLER WALTER, 5. BOCK SIFGERIED, 6. FERTSCH HER-MANN, 7. POORTMAN BOUDEWIJN OZEF, 8. ROS-KAM ABRAM KLAAS, 9. TROMP WOU ER TEUNIS.

Application No. 1383 Cal 82 filed November 27, 1982.

App opriate office to opposition pro eedings Rule 4, Patent Rules, 1972) Patent Office, Calcutt 4.

#### 17 Claims

A n easured-value sensor for magnetic incuctive flowmeters, comprising an electrical insulating ceramic measuring tube which is arranged inside a steel housing and provided on two opposite sides with measuring electrodes which pass radially through the jacke of the measuring tube and with magnet coils a ranged on the facket characterized by providing a measuring tube (2) of a tight burnt ceramic material into which shafts (13) of the measuring electrodes (1...) are sintered in a leak proof manner

Compl. Specn 22 pages

Digs. 2 sheets.

# OPPOSITION PROCEEDINGS

An opposition has been entered by M,s. Evergreen Wirecloth Factory Pvt. Ltd to the grant of a pretent on application No. 155545 made by M s N, V. Bekaert S.A.

(2)

The opposition entered by M/s. Anushya Flectronics (P.) Ltd. to grant of a patent or the application for patent no. 155354 (763|Del 80) as notified in Gazette of India, Part III Section 2 dated 24th August 1985 shall be deemed to have been not lunched and a patent has been ordered to be sealed on the application

(3)

An opposition has been entered by Shri Viswanath Dattatraya Hukerikar, Baroda to the grant of a patent on application No 155923 made by Shri Masumali Jaffarali Zeveri, Bombay.

# CANCELLATION PROCEEDINGS

#### (SECTION 51A)

An application made by Ashak Iron & Steel Fabricators for cancellation of the Registration of Design Nos. 155650 and 155652 in class I in the name of Bhagwati Steel Industries has been filed.

# CORRECTION OF CHERICAL ERRORS

Under Section 78(1) of the Patents Act, 1970 certain clerical errors occurring in the specification in respect of Patent No. 152921 were corrected on 231d August 1985.

# PATENTS SEALED

150963 153259 153474 153655 153711 153721 153747 153760 153761 153835 153837 153838 153846 153902 153928 153929 153965 153969 154004 154019 154034 154038 154040 154043 154048 154051 154117 154120 154121 154134 154143 154306 154311 154372 154382

#### RENEWAL FEES PAID

128330 128508 132261 133961 135388 135567 136457 136606 137934 138197 138308 138705 139175 139226 139260 139284 139571 139626 139967 140078 141007 141303 142070 142173 142344 142434 142484 142998 143236 143625 143775 143952 144073 145134 145181 145208 145230 145268 145819 145968 146259 146400 146436 146524 146760 146812 146995 147039 147380 147686 147808 147955 148034 148172 148202 148204 148367 148431 148465 148466 148468 148759 148761 148768 148773 148774 148779 148826 148880 148782 149110 149213 149238 149431 149603 149935 150188 150241 150305 150393 150648 150732 150833 151011 151021 151104 151245 151274 151384 151620 151621 151689 151699 151701 151730 151917 152060 152400 152439 152658 152743 152770 152784 152862 152925 152973 152998 153003 153006 153007 153008 153027 153050 153059 153060 153104 153105 153106 155107 153117 153118 153178 153179 153184 153185 153187 153188 153203 153223 153224 153225 153226 153229 153230 150232 153233 153234 153235 153249 153250 153327 153328 153340 153598 153814

#### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

- Class 1. No 155441. M. K. Electric Limited, a British Company, of Shrubbery Road, Edmonton, London N9 OPB, England. a "Switched Socket". Reciprocity date is 30th August, 1984 (U.K.).
- Class 1. No. 155443. M. K. Electric Limited, a British Company, of Shrubbery Road, Edmonton, London N9 OPB, England, a "Switched Socket". Reciprocity date is 30th August, 1985 (U.K.).
- Class 1. No. 155718. Metals & Allied Products, 4|43, Kapadia Chambers, 51, Broach Street, Carnac Bunder, Bombay-400009, Maharashtra State, an Indian Partnership Fum. "Domestic Utensil". 29th May, 1985.
- Class I. No. 155433. Ganesh Udyog, Bhakhri Modh, Agra Road, Dausa (Rajasthan), India, a scle Proprietary concern. "a Trolley attached to a Tractor". 26th February, 1985
- Class 3. No. 155792. Hindustan Vacuum Glass Limited, Sanskriti Bhawan, Ihandewalan, New Delhi (a company incorporated under the Indian Companies Act). "Vacuum Flask" (Thermos). 26th June. 1985.
- Class 3. No. 155690. M/s. Excelsion Enterprises, B-12, A.M. Jaipuria Road, Kanpur, Contt-208004, State of Uttar Pradesh. Indian Pantnership Firm. "Intra-Vaginal Applicator". 18th May, 1985
- Class 3. Nc 155426 Phenoweld Polymer Private Limited., 'saki Vihar Iake Road, Bombay-400 072, Maha-ashtra, India, an Indian Company. "Cabinet". 231d February, 1985.
- Class 3. No. 155442. M. K. Electric I mited, a British Company. of Shrubbery Road, Edmonton, I ondon N9 OPB, England. a "Switched Socket". Reciprocity date is 30th August, 1985. (U.K.).

Class 3. No. 155444. M. K. Electric Limited, a British
Company, of Shrubbery Road, Edmonton,
London N9 OPB, England. a "Switched Socket".
Reciprocity date is 30th August, 1984. (U.K.).

Class 3. No. 155424. Plf Marinplast, FR-3815 Kaldbak, Faroe Islands, (Via) Denmark, a company duly organised and existing under the laws of Denmark. "Boats". 23rd February, 1985.

Class 3. No. 155624, 155625, 155626, 155627, 155628, 155629, 155630, 155631. Soniashams International, 31, Louisiana Apartment, West Avenue, Santacruz (West), Bombay-400054, State of Maharashtra, India, an Indian Sole Proprietory Firm. "Kitchen Container". 3rd May, 1985.

NAME INDEX OF APPLICANTS FOR PATENTS FOR THE MONTH OF JANUARY, 1985 (NOS. 1|CAL|85 TO 68|CAL|85, 1|BOM|85 TO 27|BOM|85, 1|MAS|85 TO 87|MAS|85 and 1|DEL|85 TO 80|DEL|85).

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R. A. ACHARYA
Controller General of Patents, Designs and Trade Marks